License Guide
Oracle FLEXCUBE Universal Banking
Release 14.4.0.2.0
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FINANCIAL SERVICES

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License Guide

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1. Preface

1.1 Introduction

This document helps you understand the guiding rules for Oracle
FLEXCUBE Universal Banking licensing, the components included in the
license, and the units that are separately licensed.

This document also provides information on the third party software
that are packaged with Oracle FLEXCUBE Universal Banking.

1.2 Audience

This document is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the
Oracle Accessibility Program website at
http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	*Preface* gives information on the intended audience. It also lists the various chapters covered in this license guide.
Chapter 2	*Oracle FLEXCUBE Universal Banking Licensing* provides information on Oracle FLEXCUBE Universal Banking licensing.
Chapter 3	*Software Pre-requisites* consists of the technology pre-requisites required for Oracle FLEXCUBE Universal Banking.
Chapter 4	*Third Party Licenses* provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking.

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1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE User Manuals

2. Oracle FLEXCUBE Universal Banking Licensing

2.1 Introduction

This chapter provides information on Oracle FLEXCUBE Universal Banking licensing. It contains the following sections:

- General licensing rules
- Components included in the license
- Separately licensed pre-requisite products and licensing metric
- Restricted use license

2.2 General Licensing Rules

The following table lists out the modules, which are primarily retail or corporate. The licensing rule against each of them defines how these modules will get licensed based on the usage of the bank.

Sl. No.	Module Description	Licensing Rule(s)
Retail Modules		
1	Oracle FLEXCUBE Universal Banking Current Accounts and	If the customer is using Universal Banking for Retail programs, these applications may only be licensed by the Account metric. However, if the customer is using Universal Banking for Corporate, and is not using Universal Banking for Retail, then a customer may license these programs under the Application User metric.
2	Oracle FLEXCUBE Universal Banking Standing Instructions	
3	Oracle FLEXCUBE Universal Banking Collections	
5	Oracle FLEXCUBE Universal Banking Account Origination	
6	Oracle FLEXCUBE Universal Banking Retail Loan	

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Sl. No.	Module Description	Licensing Rule(s)
Corporate Modules		
7	Oracle FLEXCUBE Universal Banking Nostro Reconciliation	If the customer is using Universal Banking for Corporate programs, these applications may only be licensed by the Application User. However, if the customer is using Universal Banking for Retail, and is not using Universal Banking for Corporate, then a customer may license these programs under the Account metric.
8	Oracle FLEXCUBE Universal Banking Commercial Leasing	
9	Oracle FLEXCUBE Integration Gateway	

2.3 Components Included in License

The following components are included in the Oracle FLEXCUBE Universal Banking license:

1. **Signature Verification**: is included with Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts license.

2. **Utility Payments**: is included with Oracle FLEXCUBE Universal Banking Branch license.

3. **Islamic Banking Support**: The following Oracle FLEXCUBE Universal Banking module licenses have support for Islamic Banking.

   - Oracle FLEXCUBE Universal Banking Base
   - Oracle FLEXCUBE Universal Banking Asset Management
   - Oracle FLEXCUBE Universal Banking Collections
   - Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts
   - Oracle FLEXCUBE Universal Banking Fixed Assets
   - Oracle FLEXCUBE Universal Banking Relationship Pricing
   - Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans
   - Oracle FLEXCUBE Universal Banking Retail Loan Origination
   - Oracle FLEXCUBE Universal Banking Term Deposits
   - Oracle FLEXCUBE Universal Banking Islamic Commercial Lending and Leasing

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2.4 Separately Licensed Pre-requisite Products and Licensing Metric

The module wise list of separately licensed products and the licensing metric is given below.

For other separately licensable software pre-requisites, refer to the section Software Pre-requisites.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Base*	• Oracle FLEXCUBE Development Workbench • Oracle FLEXCUBE Integration Gateway	• Application User • Custom Suite User • Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Process Framework Base	Oracle FLEXCUBE Development Workbench	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Relationship Pricing	• Oracle FLEXCUBE Universal Banking Base • Either Oracle FLEXCUBE Universal Banking Current Accounts & Savings Accounts OR Oracle FLEXCUBE Universal Banking Term Deposits	Account

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Term Deposits	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Nostro Reconciliation	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Standing Instructions	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Branch	Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking ATM Interface	Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Point of Sale Interface	Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Interactive Voice Response Interface	Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Mortgages	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Consumer Leasing	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Commercial Leasing	Oracle FLEXCUBE Universal Banking Base	- Application User - Custom Suite User - Account
Oracle FLEXCUBE Universal Banking Inventory Management	- Oracle FLEXCUBE Universal Banking Base - Oracle FLEXCUBE Universal Banking Current Accounts & Savings Accounts	Account
Oracle FLEXCUBE Universal Banking Collections	Oracle FLEXCUBE Universal Banking Base	- Application User - Custom Suite User - Account
Oracle FLEXCUBE Universal Banking Microfinance	- Oracle FLEXCUBE Universal Banking Base - Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	Account
Oracle FLEXCUBE Universal Banking Safe Deposit Box	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Corporate Deposits	Oracle FLEXCUBE Universal Banking Base	- Application User - Custom Suite User

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Fixed Assets	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Asset Management	FLEXCUBE Universal Banking Base and Oracle Banking Treasury Management	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Expense Processing	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Islamic Commercial Lending and Leasing	Oracle FLEXCUBE Universal Banking Base	• Account • Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Origination		
Oracle FLEXCUBE Universal Banking Account Origination	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Term Deposits Origination	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Retail Loan Origination	Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Open Development Tools		
Oracle FLEXCUBE Development Workbench	Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits Management, Oracle Banking Collateral Management or Oracle Banking Corporate Lending, Oracle Banking Payments, Oracle Banking Trade Finance or Oracle Banking Treasury Management	Application User
Oracle FLEXCUBE Testing Workbench for Universal Banking	Oracle FLEXCUBE Universal Banking Base	Application User
Oracle FLEXCUBE Interfaces and Tools		
Oracle FLEXCUBE Integration Gateway	Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits Management, Oracle Banking Collateral Management or Oracle Banking Corporate Lending, Oracle Banking Payments, Oracle Banking Trade Finance or Oracle Banking Treasury Management	• 10K API Calls • Account • Processor • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager	Oracle FLEXCUBE Universal Banking Base	Connector
Oracle FLEXCUBE Information Server		
Oracle FLEXCUBE Information Server Base for Universal	Oracle FLEXCUBE Universal Banking Base	Account

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Information Server Retail Liabilities Data Mart for Universal Banking	• Oracle FLEXCUBE Information Server Base for Universal Banking • Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts • Oracle FLEXCUBE Universal Banking Term Deposits	Account
Oracle FLEXCUBE Information Server Retail Assets Data Mart for Universal Banking	• Oracle FLEXCUBE Information Server Base for Universal Banking • Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts • Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprises Loans	Account

When Component pricing model is used, Oracle FLEXCUBE Universal Banking Base program should be licensed for cumulative number of Application Users of Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Open Development Tools and Oracle FLEXCUBE Interfaces and Tools programs.

When licensing Oracle FLEXCUBE Universal Banking modules by Account metric, quantity of Accounts licensed for each Oracle FLEXCUBE Universal Banking module including Base must be same. The sum of Accounts across all licensed modules (excluding Base) on Account metric is to be used as the quantity to be licensed. For example, if customer needs 1,000,000 Accounts of Current Accounts and Savings Accounts, 400,000 Accounts of Term Deposits and 100,000 Accounts of Retail and Small and Medium Enterprise Loans; quantity of 1,500,000 Accounts needs to be licensed for **each** of Base, Current Accounts and Savings Accounts, Term Deposits and Retail and Small and Medium Enterprise Loans modules.

When licensing Oracle FLEXCUBE Universal Banking modules by Custom Suite User metric, quantity of CAS users licensed for each Oracle FLEXCUBE Universal Banking module including Base must be the same.

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NOTE: For sending SWIFT FIN messages generated in FLEXCUBE to SWIFT network or for sending FIN messages from SWIFT network to FLEXCUBE, Oracle Banking Payments Cross Border Payments Connectivity Pack 1 SKU needs to be licensed.

2.5 <u>Restricted Use License</u>

The following modules have restricted features or functionality for use under the license metric Financial Inclusion Account.

Product or Component	Restrictions/Features Omitted
Oracle FLEXCUBE Universal Banking Base	• Customer creation along with account creation is done in a single go without the option of Signature capture and verification. • These customers will not have the Limits linkage • Only Individual type of customers alone can be created. (Corporate/ Bank kind of customers cannot be created)
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	• System will allow the FI customer to open only a Single Holder savings CASA account and in branch currency only • Temporary OD on FI customer's CASA accounts is allowed for a short term without attaching any collateral or credit line backing. • Allow mapping an account class with only a single IC product of type "Interest". This IC product is restricted to contain only general conditions and One Debit and One Credit product attached to it. • Check book and Debit card features are not available for FI customer accounts. • The account cannot be salary account
Oracle FLEXCUBE Universal Banking Branch	• Allow only the below Branch transactions for a FI customer, • Cash Deposit • Cash Withdrawal • Transfers • Utility payment without external Utility Provider interface

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Product or Component	Restrictions/Features Omitted
Oracle FLEXCUBE Universal Banking ATM Interface	No restrictions brought in.
Oracle FLEXCUBE Integration Gateway	No restrictions brought in.

Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• Following loan features are not available for Financial Inclusion Customer
	  ▪ Origination
	  ▪ Auto disbursement
	  ▪ Rate revisions
	  ▪ Provisioning
	  ▪ Re-negotiation
	  ▪ Amendments
	• FI Loans are only created in Branch currency
	• A new screen is made available for loan account input for FI customer

Oracle FLEXCUBE Universal Banking Point of Sale Interface	No restrictions brought in.

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3. Software Pre-requisites

Following are the separately licensable software prerequisites for Oracle FLEXCUBE Universal Banking Products.

3.1 Software Prerequisites

3.1.1 Tech Stack – Oracle

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Universal Banking	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 241
				Open Symphony Quartz	2.3.2
		Document Management System	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
				JDK	1.8 Update 241
				Oracle Database (for RCU)	19.6.0.0.0
				Repository Creation Utility	12.2.1.4.0
				Oracle WebCenter Content Imaging	12.2.1.4.0
		Database Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0
		Reporting Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
				JDK	1.8 Update 241
				Oracle Analytical Server (Oracle BI Publisher)	5.5.0
		FLEXCUBE Information Server - Data warehouse	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Golden Gate	19.1.0.0.4
				Oracle Database (for RCU)	12.1.0.2.0
				Repository Creation Utility	12.2.1.4.0
				Oracle Data integrator	12.2.1.4.0
				Oracle Data integrator Java EE Agent	12.2.1.4.0
				Oracle WebLogic Server Infrastructure	12.2.1.4.0

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				Internet Explorer	11+
		Client	Windows 10	Mozilla Firefox	66+
				Google Chrome	73+
				Microsoft Edge	44+
			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac (62+)
				Safari	12+
				Google Chrome	73+
		Single Sign On Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	1.8 Update 241
				Oracle WebLogic	12.2.1.4.0
				Repository Creation Utility	12.2.1.4.0
				Oracle Identity Management	12.2.1.4.0
				Oracle Identity And Access Management	12.2.1.4.0
				Oracle Webtier Utilities	12.2.1.4.0
				Oracle Webgate	12.2.1.4.0
	UI Decentralized branch	Branch Application Server – Decentralized	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	1.8 Update 241
				Oracle WebLogic Server	12.2.1.4.0
		Database Branch for Decentralized mode		Oracle RDBMS Standard Edition (SE2)	19.6.0.0.0
Oracle FLEXCUBE Universal Banking BPEL/BPMN Processes and Process Framework	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	1.8 Update 241
				Oracle WebLogic Server	12.2.1.4.0
				Oracle Database (for RCU)	19.6.0.0.0
				Repository Creation Utility	12.2.1.4.0
				Oracle SOA Suite, Oracle BPM Suite	12.2.1.4.0
Oracle FLEXCUBE Universal Banking Integration Gateway	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
	HTTP Servlet (incoming)				
	EJB (incoming)				
	MDB (incoming)				
	Notifications (outgoing)				

Oracle FLEXCUBE Universal Banking Switch Integration Gateway	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	1.8 Update 241
Oracle FLEXCUBE Universal Banking REST	Web services	Integration Server	Oracle Enterprise Linux Server 7.6(x86 64 Bit)	JDK	1.8 Update 241
				Oracle WebLogic Server	12.2.1.4.0
				Oracle Toplink	12.2.1.4.0
Oracle FLEXCUBE Machine Learning	Centralized	Machine Learning Server	Oracle Enterprise Linux server 7.1 (x86 64 bit)	OML4R (Previously Oracle R Enterprise)	1.5.1
Oracle FLEXCUBE Oracle Digital Assistant Integration	Centralized	Application Server	Oracle Enterprise Linux server 7.1 (x86 64 bit)	oda-native-client-sdk-js	20.3.1

Note: Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter which Operating Systems they are installed on. Current release is certified on client workstations with Windows 7, 8, 10 and Mac OS X.

3.2 Module-wise Software Prerequisites

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.4.0	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both Oracle Weblogic Server (Fusion Middleware) and WebSphere.

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Product Name	Product Version	Requirements
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 241	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebLogic.
Open Symphony Quartz	2.3.2	Standard requirement
Oracle Toplink	12.2.1.4.0	Optional - Required only if limits tracking is required.
Oracle WebCenter Content Imaging	12.2.1.4.0	Optional - Required only if Document Management System integration is required. Refer to section 3.1.1 for other related software (Document Management System).
Oracle RDBMS Enterprise Edition	19.6.0.0.0	Standard requirement
Oracle Analytical Server	5.5.0	Standard requirement. Refer to section 3.1.1 for dependent software (Reporting Server & FLEXCUBE Information Server – Analytics).
Oracle Golden Gate	19.1.0.0.4	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server -Data warehouse).
Oracle Data integrator	12.2.1.4.0	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server -Data warehouse).
Oracle Identity Management (OID)	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).
Oracle Identity And Access Management	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).

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Product Name	Product Version	Requirements
Oracle RDBMS Standard Edition (SE2)	19.6.0.0.0	Optional – Required if decentralized branch support is required. Refer to section 3.1.1 for related software (Decentralized branch).
Oracle SOA Suite	12.2.1.4.0	Optional – Required for Oracle FLEXCUBE Universal Banking Origination.
Oracle BPM Suite	12.2.1.4.0	Optional – Required for Oracle FLEXCUBE Universal Banking Origination.

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4. Third Party Licenses

4.1 Introduction

This chapter provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking. It contains the following sections:

- The Apache Software Foundation
- Kalle Stenflo
- SmartBear Software
- Schibsted Marketplaces Products

4.2 The Apache Software Foundation

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                 Version 2.0, January 2004
                http://www.apache.org/licenses/
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3.2.0.jar,camel-controlbus-3.2.0.jar,camel-core-catalog-3.2.0.jar,camel-core-
engine-3.2.0.jar,camel-core-languages-3.2.0.jar,camel-dataformat-
3.2.0.jar,camel-dataset-3.2.0.jar,camel-direct-3.2.0.jar, camel-directvm-
3.2.0.jar,camel-file-3.2.0.jar,camel-language-3.2.0.jar,camel-log-
3.2.0.jar,camel-management-api-3.2.0.jar,camel-mock-3.2.0.jar,camel-cxf-
3.2.0.jar, camel-ref-3.2.0.jar,camel-rest-3.2.0.jar,camel-saga-
3.2.0.jar,camel-scheduler-3.2.0.jar,camel-seda-3.2.0.jar,camel-stub-
3.2.0.jar,camel-support-3.2.0.jar,camel-timer-3.2.0.jar,camel-tooling-model-
3.2.0.jar,camel-util-3.2.0.jar,camel-util-json-3.2.0.jar,camel-validator-
3.2.0.jar,camel-vm-3.2.0.jar,camel-xml-jaxb-3.2.0.jar, camel-xml-jaxp-
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Top Level Sub-Components:
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2. swagger-parser-core-2.0.19.jar
3. swagger-parser-v2-converter-2.0.19.jar
4. swagger-parser-v3-2.0.19.jar
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* https://github.com/eclipse-ee4j/jaxb-api

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